

# **CLEAN STREAMS**

## **HEALTHY NEIGHBORHOODS**

### **Crooked Creek Area Sewer Improvements**

**April 14, 2009**

Mike Latos, Project Manager  
Department of Public Works

Jeremy Kosegi, P.E.  
Indianapolis Clean Stream Team



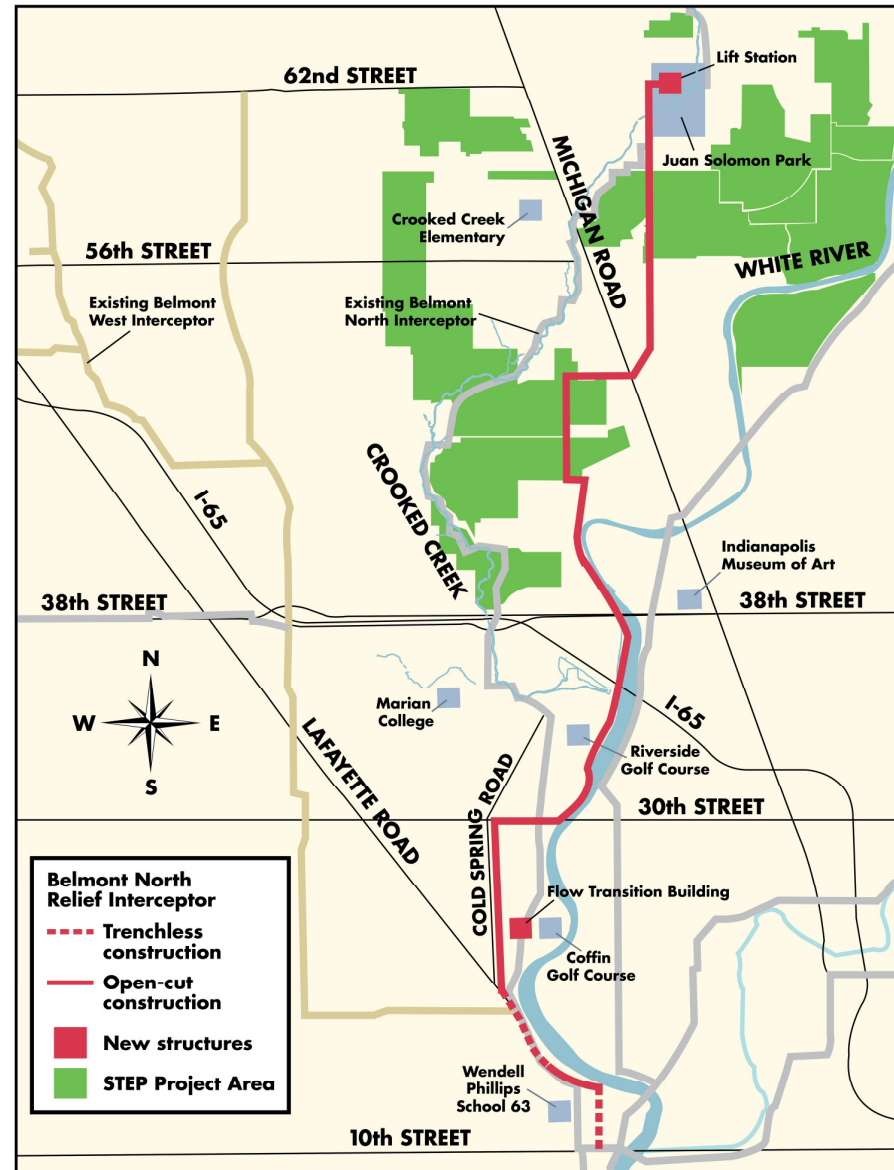
# Agenda

- Project Overview
- Construction Phase One
  - Project need
  - Schedule
  - Maintenance of traffic
  - Project benefits

## Crooked Creek Area Sewer Improvements

- **Problem:**
  - Existing sewer is old
  - Inflow/Infiltration (I/I)
  - Lack of capacity
- **Solution:**
  - Sewer rehabilitation (2006)
  - New relief sewer

- Project Route
- STEP Projects
  - (2010-2012)
  - Kessler/Michigan
    - App. 1,500 homes
  - Grandview Corridor, Phase II
    - App. 550 homes



## **Construction Phasing Crooked Creek Area Sewer Improvements**

- Rehabilitation Phase: 2006
  - Repaired deteriorated manholes and lined the interceptor
- Construction Phase 1: 2009-2011
  - 10<sup>th</sup> Street/Miley Avenue to Lafayette Road/19<sup>th</sup> Street
- Construction Phase 2: 2009-2011
  - 19<sup>th</sup> Street/Lafayette Road to Juan Solomon Park

# Construction Phase One





## Microtunnel Boring Machine

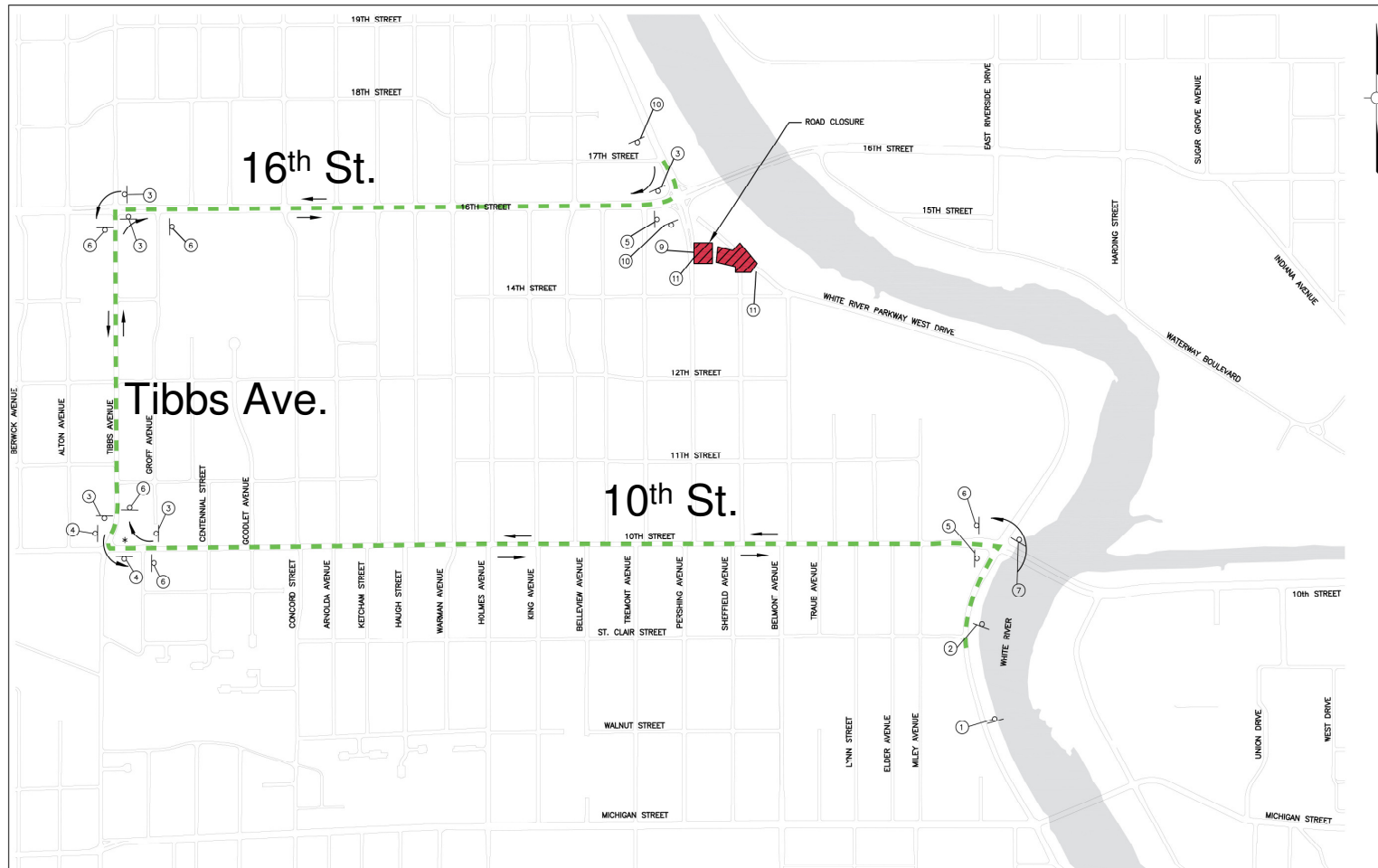
## Construction Shaft



# Maintenance of Traffic – 10<sup>th</sup> Street/Miley Avenue



## Maintenance of Traffic – White River Parkway/ Pershing Ave./ Sheffield Ave.



## Phase 1 Construction Schedule

- April 16, 2009: Project Bidding
- Summer 2009: Pre-construction public meeting
- July 2009: Construction to begin
- 21 months: Anticipated construction duration

## **Project Benefits**

# **Crooked Creek Area Sewer Improvements**

- Alleviates capacity problems in the Belmont North Interceptor
- Increases the capacity of the sanitary sewer
- Eliminates CSO 046
- Improves water quality

## Moving forward

# Cost Savings

- Lift station and force main sewer allow for quicker construction and capital savings of nearly \$50 million

# **CLEAN STREAMS**

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**Questions?**

